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# Fax Cover Sheet

**Date:** 22 Oct 2004

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*DLS 10/22/04*

| **To:** Mr. Raymond Y. Mah | **From:** Donald L. Storm |
|---|---|
| Nixon and Vanderhye | |
| **Application/Control Number:** 09/529,384 | **Art Unit:** 2654 |
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| **Re:** ref. 36-1319 | **CC:** |

☐ **Urgent**  ☒ **For Review**  ☒ **For Comment**  ☒ **For Reply**  ☐ **Per Your Request**

Comments:
Mr. Mah, How about this kind of language for step e) ?

I had hoped to show this to my supervisor, who will be the one to sign the allowance of this application when we finally agree on the claim language, before bothering you again. But he did not come in to work today. I will show it to him on Monday, and you might as well have this proposed language to consider also.

*Donald L. Storm*

**Number of pages** 4 **including this page**

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### STATEMENT OF CONFIDENTIALITY

HOVELL et al.
Application No. 09/529,384
PROPOSED

*FOR DISCUSSION*
*DO NOT ENTER*

## AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the

application:

1.    (currently amended)    A method of recognising a pattern comprising a

sequence of sub-patterns, the method comprising:

a)    generating a data sequence representative of a physical entity;

b)    applying the data sequence to a set comprising active models in a network

of models including at least one model, wherein each model represents a sub-pattern and

comprises a finite state network with a plurality of respective states;

c)    assessing each state of members of said set and deactivating those states

that do not meet a predetermined first criterion, between the application of successive

data elements;

d)    selecting a subset of the outputs of the members of said set according to a

predetermined second criterion; and

e)    adding further models to said set in dependence on the members of said subset

when said subset is selected, wherein each further model includes a plurality a respective states,

the further models take at least one of the subset members as inputs, and each model represents a

sub-pattern and in use outputs an indication of the degree of matching between an input data sub-

sequence and the represented sub-pattern.

*HOVELL et al.*
*Application No. 09/529,384*
*PROPOSED*

*For Discussion*
*Do Not Enter*

## AMENDMENTS TO THE SPECIFICATION:

Please amend the paragraph beginning at page 6, line 7, as follows:

Figure 4 shows the relationship between a first model instance and the model instances dependent thereon, each of the model instances having a plurality of states;

Please amend the paragraph beginning at page 9, line 12, as follows:

By way of illustration, Figure 4 shows the instantiation of models. Each model instantiation in response to exit tokens from the $k$ model has a plurality of states.

OR

By way of illustration, Figure 4 shows the instantiation of models, each model instantiation in response to exit tokens from the $k$ model having a plurality of states.

The Examiner suggested an amendment to step e) of claim 1 that would distinguish from

Klovstad. The Examiner explained that Klovstad adds models one state at a time by activating the

next kernel, whereas the Applicant's Fig. 4 and its caption indicate adding all states of a model at

once, apparently at the time that the subset is selected. Klovstad's Fig. 10 was drawn to support

the description of Klovstad's subject matter, not to describe this instatnt application; however, by

boxing groups of the time sequence of kernels as a representation of Klovstad's states of a model,

it becomes easier to see how Klovstad adds a model. Klovstad adds one state at a time, therefore

not adding a plurality of states of each respective model when the model is instantiated.

The Examiner also requested that the Applicant's add claim-supporting language to the

specification's discussion of Fig. 4 for this amendment.